

a radio frequency receiver responsive to said radio frequency transmitter signal to provide receiver signals indicative of said transmitter code;

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a system control unit disposed within said vehicle and having control over said vehicle antitheft apparatus, said control unit comprising:

a digital memory;

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programming apparatus responsive to said receiver signals for recording in said memory only during a programming mode said transmitter code as a signature control signal for arming or disarming said vehicle antitheft apparatus;

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operating apparatus operable during a system security operating mode and responsive to said receiver signals for comparing said receiver signals to said recorded signature control signal and arming or disarming said vehicle antitheft apparatus upon receipt and recognition of receiver signals corresponding to said signature control signal.

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¹³ 108. The vehicle security system of Claim ¹² 107 wherein said remote control transmitter is encoded with said transmitter code by the manufacturer thereof.

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¹⁴ 109. A user programmable remote control vehicle security system, in which an encoded signal from a transmitter may be recorded as a signature control word and without a need for the user or an installer to have a knowledge of the encoded signal and which does not require access to the interior of the transmitter or receiver, said system comprising:

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sensor apparatus mounted on said vehicle for detecting attempted intrusions to said vehicle;
vehicle antitheft apparatus;

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15 a precoded remote control transmitter for gener-
ating and transmitting a non-user-programmable,
digitally encoded radio frequency signal representa-
tive of a multiple-bit transmitter code, said trans-
mitter including an actuator switch which when actuat-
ed by a user causes said digitally encoded radio
frequency signal to be transmitted, said transmitter
code being precoded so that a system user is not
required to encode said transmitter or know said
transmitter code;

20 a radio frequency receiver responsive to said
radio frequency transmitter signal to provide receiver
signals indicative of said transmitter code;

25 a system control unit disposed within said
vehicle and having control over said vehicle antitheft
apparatus, said control unit comprising:

a digital memory;

30 programming apparatus responsive to said
receiver signals for recording in said memory
only during a programming mode said transmitter
code as a signature control signal for arming or
disarming said vehicle antitheft apparatus, the
programming apparatus in the programming mode
requiring only the transmission of the encoded
35 signal from the transmitter for recording as a
signature control signal and thereby eliminating
any need for access to the interior of the trans-
mitter or receiver or control unit and thereby
removes the need of the user or installer to have
40 knowledge of the specific signature control
signal;

45 operating apparatus operable during a system
security operating mode and responsive to said
receiver signals for comparing said receiver sig-
nals to said recorded signature control signal

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and arming or disarming said vehicle antitheft apparatus upon a receipt and recognition of receiver signals corresponding to said signature control signal.

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~~120~~. The vehicle security system of Claim *146* ~~109~~ wherein said remote control transmitter is encoded with said transmitter code by the manufacturer thereof.

REMARKS

The Examiner is thanked for the careful review of the application as set forth in the outstanding office action. Reconsideration of the application in view of the foregoing amendments and the following discussion is respectfully requested.

The undersigned would initially note that the Examiner is correct in stating that the amendment filed June 1, 1995, at page 13, should have referred to U.S. Patent 5,146,215 instead of U.S. Patent 5,146,255, and thanks the Examiner for pointing out this error.

This paper is being filed pursuant to the transitional provisions of 37 C.F.R. § 1.129, together with the fee set forth in § 1.17(r). This case has been pending for at least two years, taking into account the reference to earlier filed applications. Therefore, the finality of the final rejection mailed July 17, 1995 should be withdrawn, and this submission considered on its merits.

The Rejection of the Specification and Claims
under 35 USC 112.

The specification stands objected to under 35 USC § 112, second paragraph, as failing to adequately teach how